

Ames Laboratory (Ames)



The Ames Laboratory is headquartered in the Technical and Administrative Services Facility on the north end of the ISU campus.

Site Description: Located in the heart of central Iowa, Ames facilities occupy about ten acres of land on the north edge of the Iowa State University (ISU) campus in Ames, Iowa. Federally owned facilities include three research laboratory buildings (Spedding Hall, Metals Development, and Wilhelm Hall); the Technical and Administrative Services Facility; a receiving warehouse; maintenance shops; and a construction storage building. The Laboratory also rents research space in several ISU buildings.

Mission: Ames Laboratory conducts fundamental and applied research on issues of national concern and develops and transfers technologies to improve industrial competitiveness and enhance U.S. economic security. At the forefront of current materials research, high-performance computing, and environmental science and management efforts, Ames seeks solutions to energy-related problems through the exploration of physics, chemistry, engineering, applied mathematics and materials sciences.

Management: The lead program secretarial office for Ames is the U. S. Department of Energy (DOE) Office of Science (SC), which provides funding and program direction through the Chicago Operations Office (CH). The CH Ames Group manages Ames Laboratory contract activities. The management and operating contractor is Iowa State University. There are approximately 460 employees at the Laboratory, including 260 engineers and scientists.

Budget: The annual budget request for FY2000 is \$22 million, which is below the \$25 million actual funding in FY 1999.

Integrated Safety Management (ISM) Implementation Status: In February 1999, as required by DOE contract, Ames Laboratory submitted its ISM description to DOE for review and approval. The Ames Group conducted a Phase I and Phase II pre-verification in July 1999. Formal verification of Ames Laboratory's Phase I and Phase II ISM implementation practices is scheduled for early FY 2000.

Significant Events: In the past two years, Ames Laboratory reported one significant event involving real or potential environment, safety, or health impacts. On March 27, 1998, an electrician was seriously injured when his jacket became entangled with the still-rotating motor shaft of a ventilation fan that had just been shut down. The Type B accident investigation report (see full text of the report at <http://www.ch.doe.gov/final/final.pdf>) indicated that there was no machine guarding, that lockout/tagout practices were inadequate, and that there was a lack of integrated safety management. Corrective actions are being implemented.

Key Facilities

Facility Name	Mission /Status	Principal Hazards
Metals Development Building	Fundamental research laboratory Normal operations	Typical laboratory and industrial hazards, such as: hazardous materials, rotating equipment, material handling, and electrical
Spedding Hall	Fundamental research laboratory Normal operations	Typical laboratory and industrial hazards, such as: hazardous materials, rotating equipment, material handling, and electrical
Wilhelm Hall	Fundamental research laboratory Normal operations	Typical laboratory and industrial hazards, such as: hazardous materials, rotating equipment, material handling, and electrical
Warehouse and Shops	Equipment fabrication and warehousing Normal operations	Typical industrial hazards, such as: hazardous materials, rotating equipment, material handling, and electrical
Technical and Administrative Services Facility (TASF)	Business offices Normal operations	Typical office and industrial hazards, such as: slips, trips, and falls; material handling; rotating equipment; and electrical

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